

PATENT
Attorney Docket No. UCSD-04523

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

1-10 (canceled).

11 (previously presented) An isolated human IKK- γ nucleic acid molecule encoding a polypeptide having at least 90% amino acid identity with SEQ ID NO:2, wherein said polypeptide has one or more biological activities of a full-length IKK- γ polypeptide.

12 (canceled).

13 (previously presented) An isolated human IKK- γ nucleic acid molecule comprising a nucleotide sequence encoding amino acid sequence SEQ ID NO:2.

14 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 13, comprising nucleotides 149 to 1408 of SEQ ID NO:1.

15 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 13, comprising SEQ ID NO:1.

16-29 (canceled).

30 (previously presented) An isolated antisense polynucleotide, comprising a nucleotide sequence complementary to nucleotides 149 to 1408 SEQ ID NO:1.

31 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 11, wherein said one or more biological activities of a full-length IKK- γ polypeptide comprise interaction with IKK- α/β in cells.

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32 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 11, wherein said one or more biological activities of a full-length IKK- γ polypeptide comprise IKK- β binding activity.

33 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 11, wherein said one or more biological activities of a full-length IKK- γ polypeptide comprise IKK- α binding activity.

34 (previously presented) The isolated human IKK- γ nucleic acid molecule of Claim 11, wherein said one or more biological activities of a full-length IKK- γ polypeptide comprise dimerization or trimerization activity.

35 (new) An isolated human IKK- γ nucleic acid molecule encoding an IKK- γ deletion derivative, wherein said IKK- γ deletion derivative has one or more biological activities of a full-length IKK- γ polypeptide.

36 (new) The isolated human IKK- γ nucleic acid molecule of Claim 35, wherein said IKK- γ deletion derivative is an amino-terminal deletion derivative of IKK- γ comprising amino acids 134 to 419 of SEQ ID NO:2.

37 (new) The isolated human IKK- γ nucleic acid molecule of Claim 35, wherein said IKK- γ polypeptide is a carboxy-terminal deletion derivative of IKK- γ comprising amino acids 1 to 300 of SEQ ID NO:2.

38 (new) An isolated human IKK- γ nucleic acid molecule encoding an IKK- γ polypeptide comprising one or more conservative amino acid changes such that said IKK- γ polypeptide has at least 95% amino acid identity with SEQ ID NO:2.

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39 (new) The isolated human IKK- γ nucleic acid molecule of Claim 38, wherein said IKK- γ polypeptide has at least 97% amino acid identity with SEQ ID NO:2.

40 (new) The isolated human IKK- γ nucleic acid molecule of Claim 38, wherein said IKK- γ polypeptide has at least 99% amino acid identity with SEQ ID NO:2.